TOKTD: TB209260

FIG.1

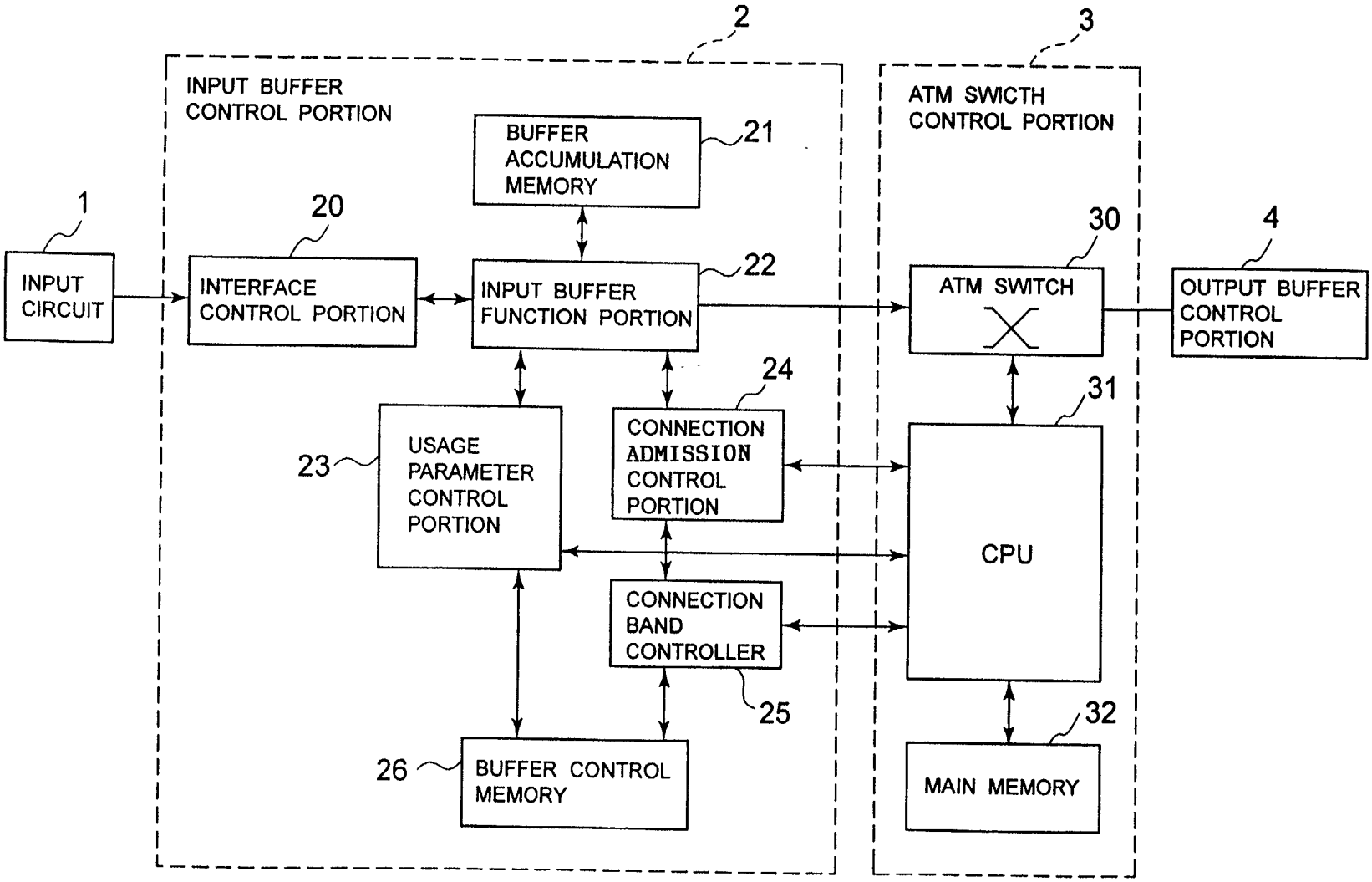


FIG. 2

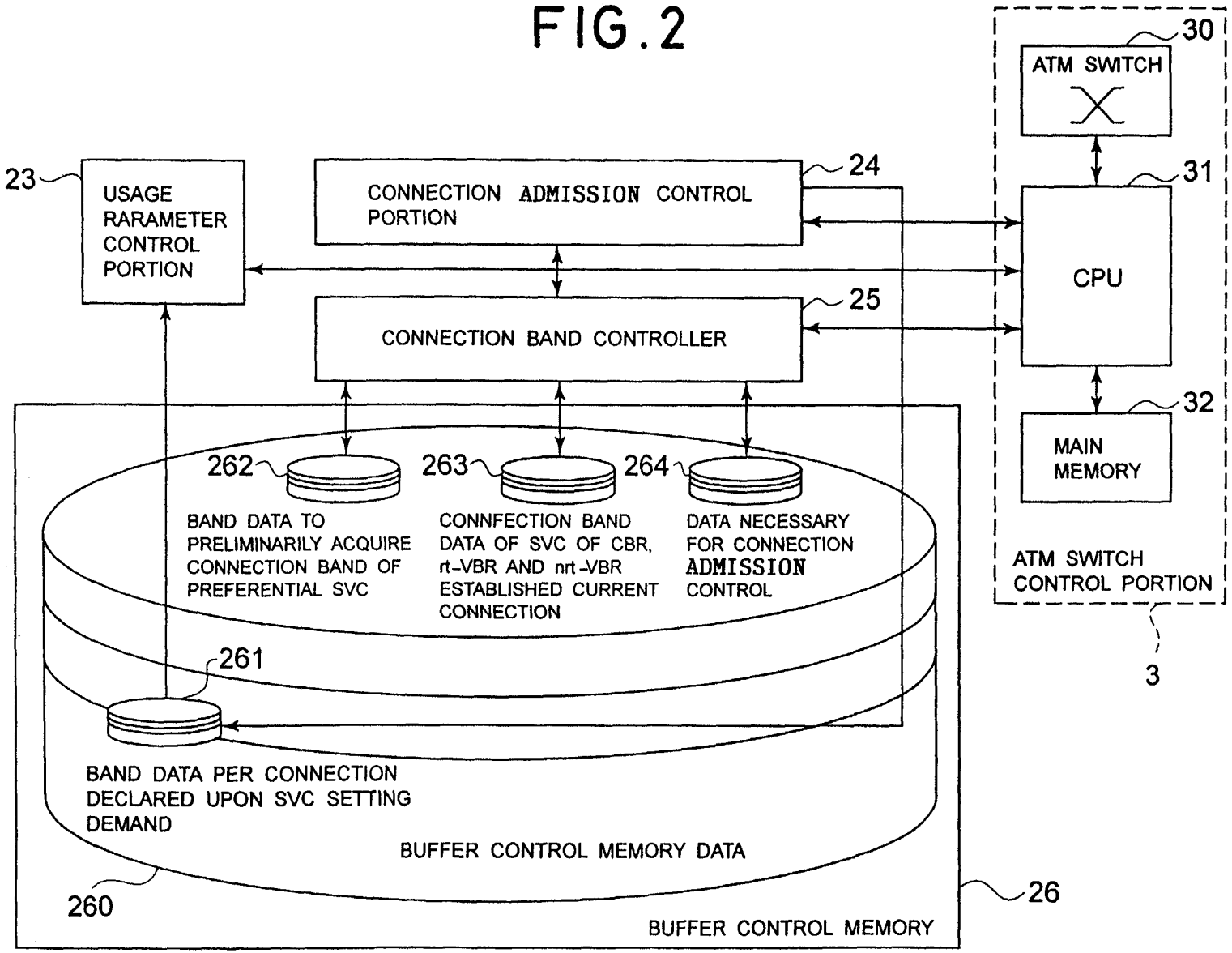

30
ATM SWITCH
23
USAGE RARAMETER CONTROL PORTION
CONNECTION ADMISSION CONTROL PORTION
24
31
CPU
25
CONNECTION BAND CONTROLLER
32
MAIN MEMORY
262
263
264
BAND DATA TO PRELIMINARILY ACQUIRE CONNECTION BAND OF PREFERENTIAL SVC
CONNFECTION BAND DATA OF SVC OF CBR, rt-VBR AND nrt-VBR ESTABLISHED CURRENT CONNECTION
DATA NECESSARY FOR CONNECTION ADMISSION CONTROL
ATM SWITCH CONTROL PORTION
3
261
BAND DATA PER CONNECTION DECLARED UPON SVC SETTING DEMAND
BUFFER CONTROL MEMORY DATA
260
26
BUFFER CONTROL MEMORY

FIG. 3

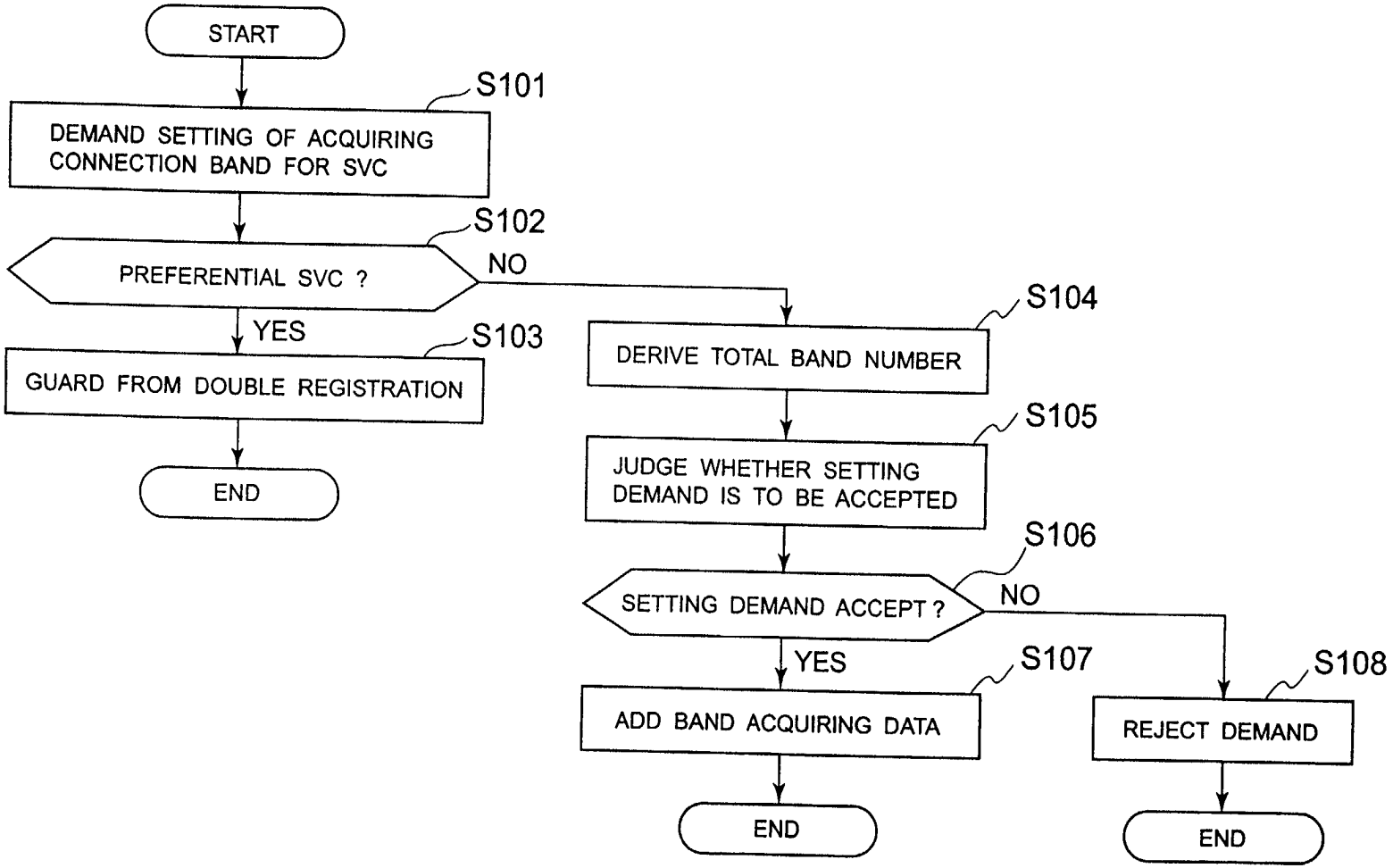

START
S101
DEMAND SETTING OF ACQUIRING CONNECTION BAND FOR SVC
S102
PREFERENTIAL SVC ?
NO
YES
S103
GUARD FROM DOUBLE REGISTRATION
END
S104
DERIVE TOTAL BAND NUMBER
S105
JUDGE WHETHER SETTING DEMAND IS TO BE ACCEPTED
S106
SETTING DEMAND ACCEPT ?
NO
YES
S107
ADD BAND ACQUIRING DATA
END
S108
REJECT DEMAND
END

FIG. 4

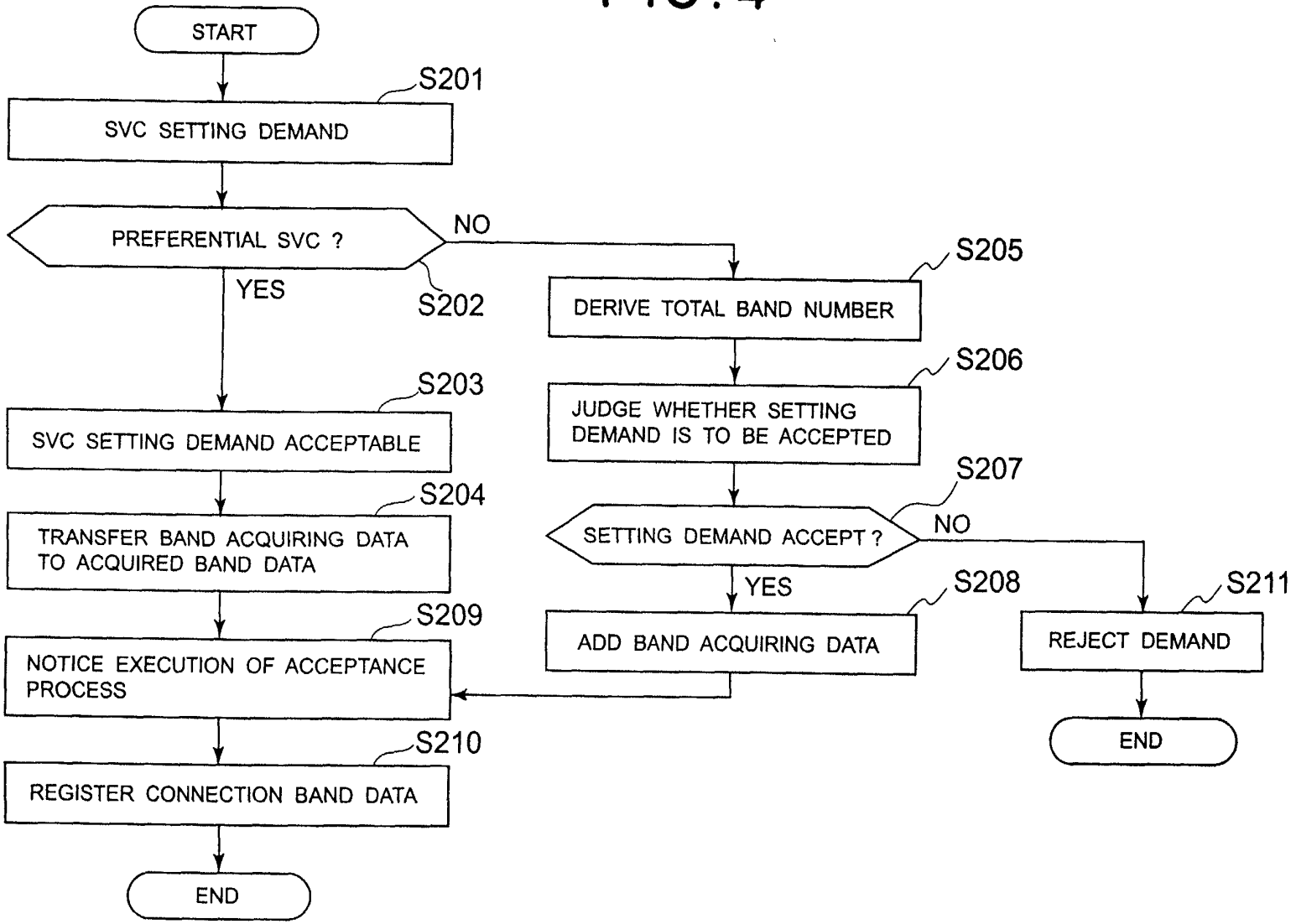

START
S201
SVC SETTING DEMAND
PREFERENTIAL SVC ?
NO
YES
S202
S203
SVC SETTING DEMAND ACCEPTABLE
S204
TRANSFER BAND ACQUIRING DATA TO ACQUIRED BAND DATA
S209
NOTICE EXECUTION OF ACCEPTANCE PROCESS
S210
REGISTER CONNECTION BAND DATA
END
S205
DERIVE TOTAL BAND NUMBER
S206
JUDGE WHETHER SETTING DEMAND IS TO BE ACCEPTED
S207
SETTING DEMAND ACCEPT ?
NO
YES
S208
ADD BAND ACQUIRING DATA
S211
REJECT DEMAND
END

FIG. 5

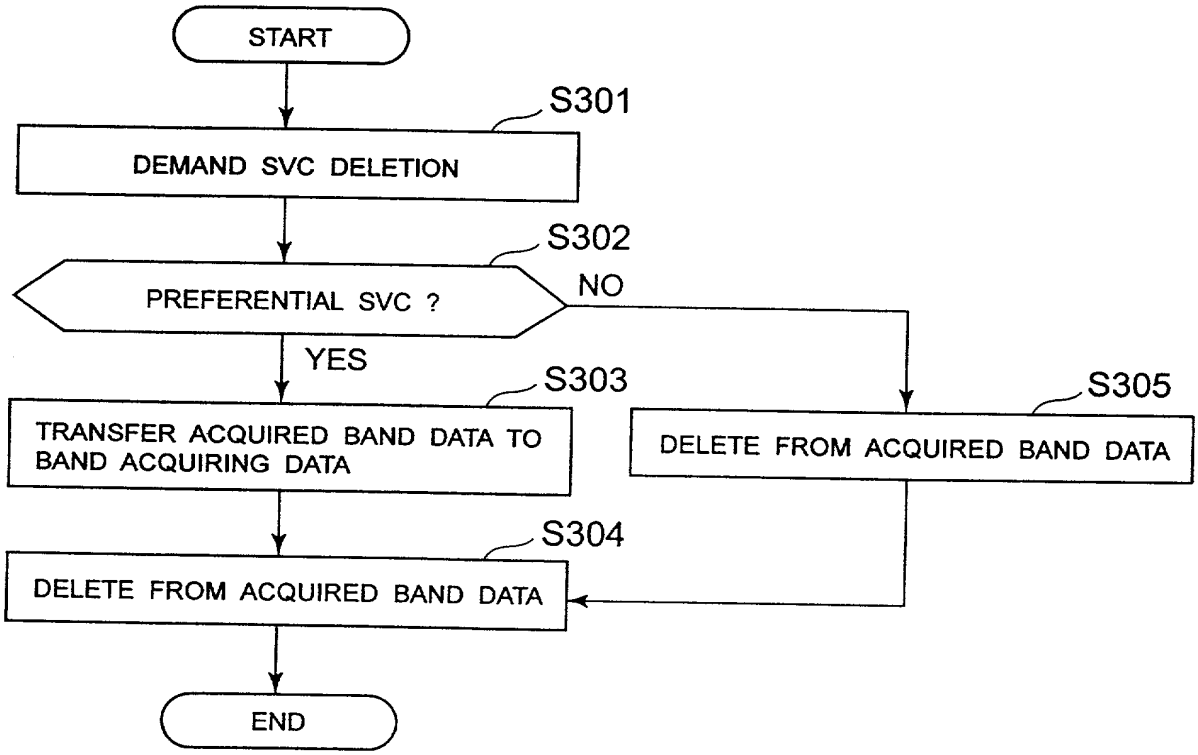

START
S301
DEMAND SVC DELETION
S302
PREFERENTIAL SVC ?
NO
YES
S303
TRANSFER ACQUIRED BAND DATA TO BAND ACQUIRING DATA
S305
DELETE FROM ACQUIRED BAND DATA
S304
DELETE FROM ACQUIRED BAND DATA
END

FIG. 6

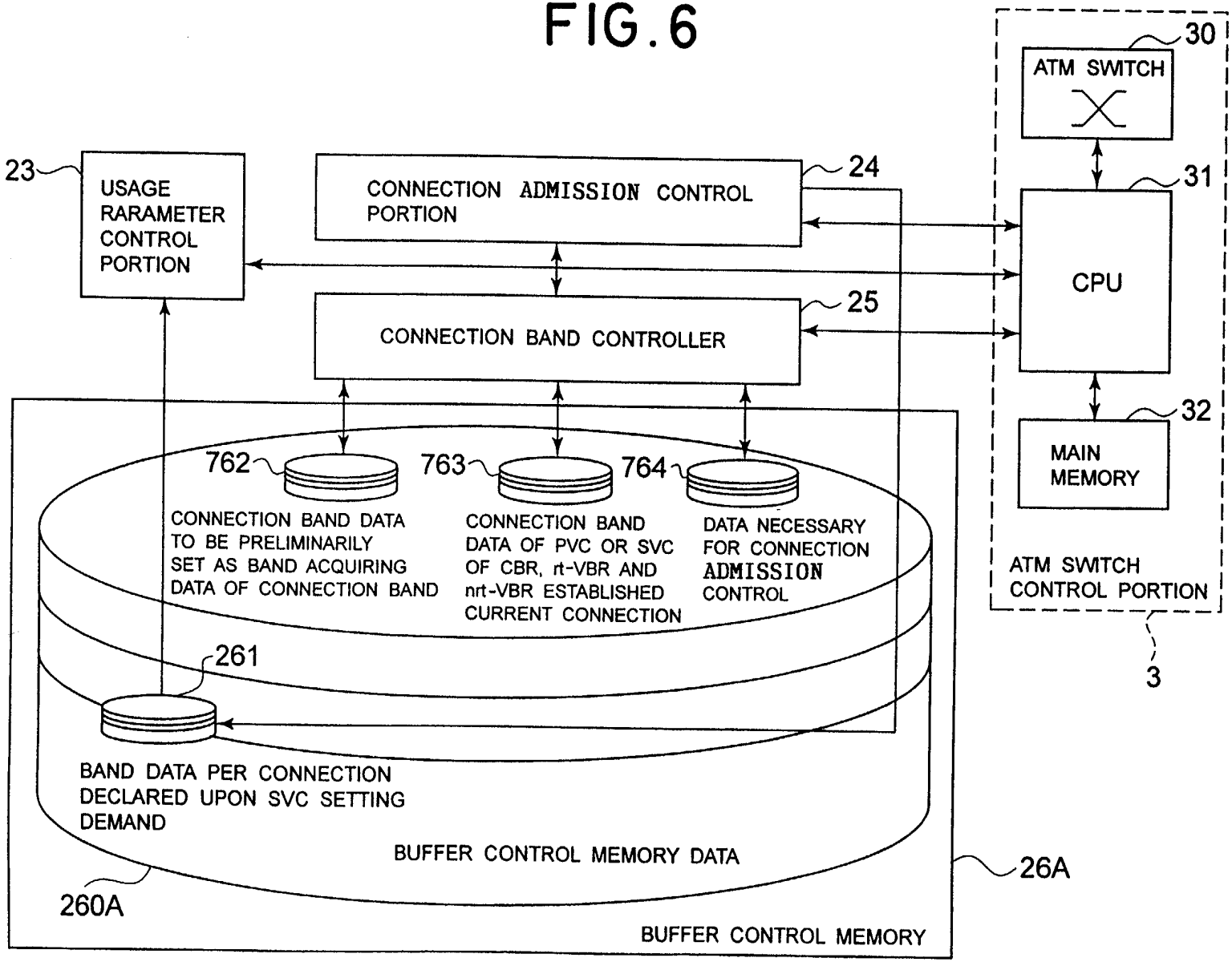

30
ATM SWITCH
31
CPU
32
MAIN MEMORY
ATM SWITCH CONTROL PORTION
3
23
USAGE RARAMETER CONTROL PORTION
CONNECTION ADMISSION CONTROL PORTION
24
CONNECTION BAND CONTROLLER
25
762
763
764
CONNECTION BAND DATA TO BE PRELIMINARILY SET AS BAND ACQUIRING DATA OF CONNECTION BAND
CONNECTION BAND DATA OF PVC OR SVC OF CBR, rt-VBR AND nrt-VBR ESTABLISHED CURRENT CONNECTION
DATA NECESSARY FOR CONNECTION ADMISSION CONTROL
261
BAND DATA PER CONNECTION DECLARED UPON SVC SETTING DEMAND
BUFFER CONTROL MEMORY DATA
260A
26A
BUFFER CONTROL MEMORY

FIG. 7

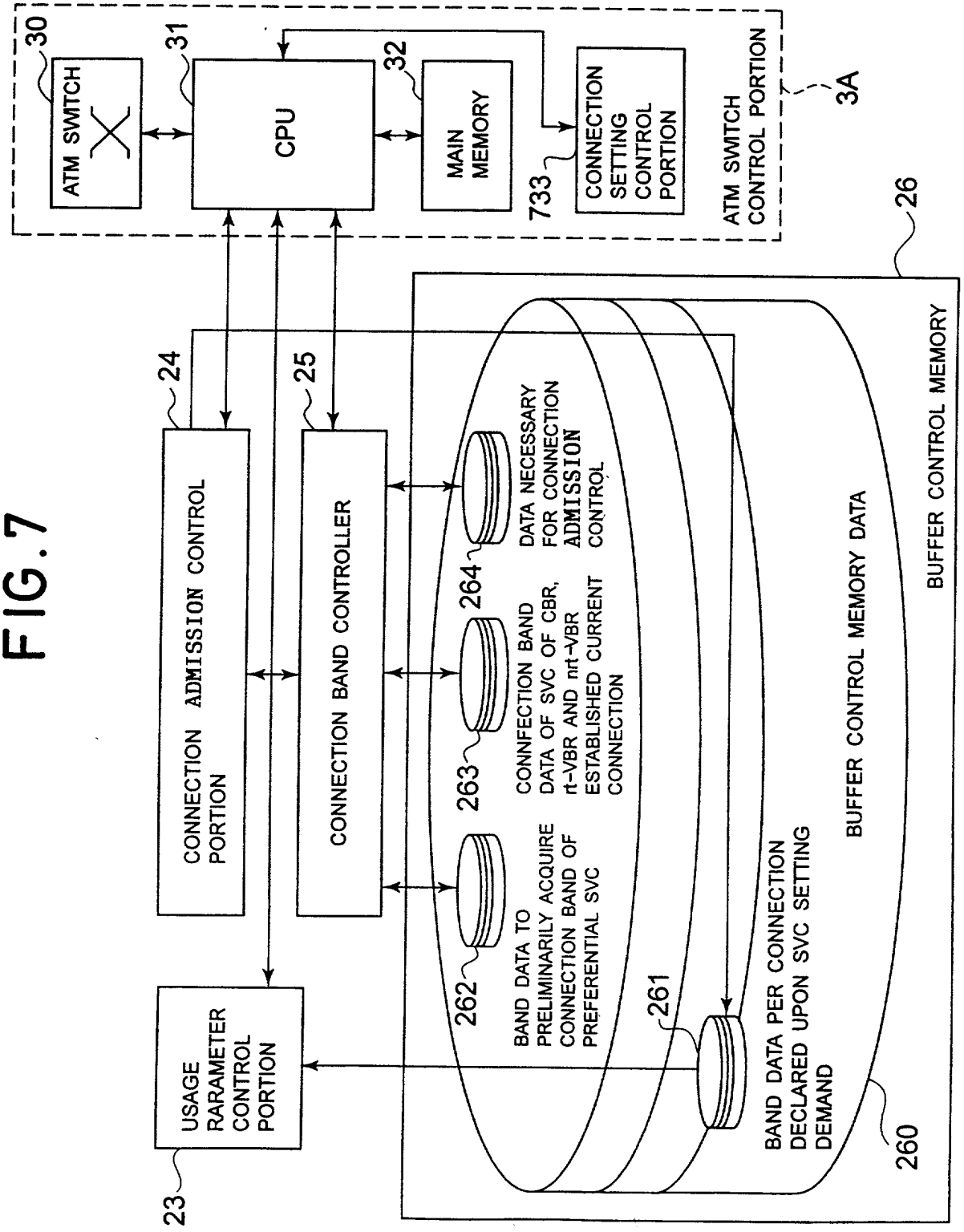

30
ATM SWITCH
31
CPU
32
MAIN MEMORY
733
CONNECTION SETTING CONTROL PORTION
ATM SWITCH CONTROL PORTION
3A
26
24
CONNECTION ADMISSION CONTROL PORTION
25
CONNECTION BAND CONTROLLER
264
DATA NECESSARY FOR CONNECTION ADMISSION CONTROL
263
CONNFECTION BAND DATA OF SVC OF CBR, rt-VBR AND nrt-VBR ESTABLISHED CURRENT CONNECTION
262
BAND DATA TO PRELIMINARILY ACQUIRE CONNECTION BAND OF PREFERENTIAL SVC
261
BAND DATA PER CONNECTION DECLARED UPON SVC SETTING DEMAND
BUFFER CONTROL MEMORY DATA
BUFFER CONTROL MEMORY
260
USAGE RARAMETER CONTROL PORTION
23

FIG. 8

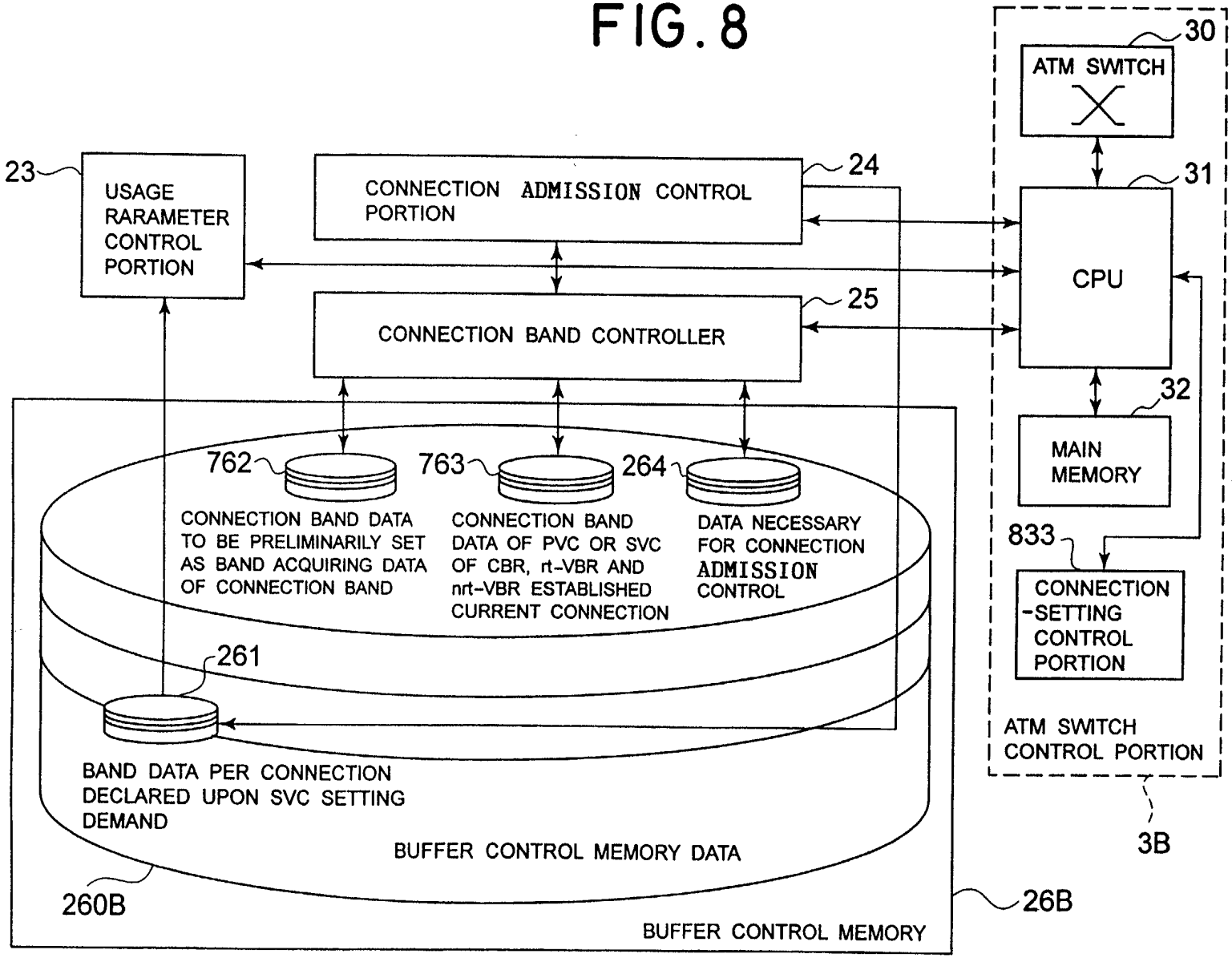

30
ATM SWITCH
31
CPU
32
MAIN MEMORY
833
CONNECTION -SETTING CONTROL PORTION
ATM SWITCH CONTROL PORTION
3B
23
USAGE RARAMETER CONTROL PORTION
24
CONNECTION ADMISSION CONTROL PORTION
25
CONNECTION BAND CONTROLLER
762
763
264
CONNECTION BAND DATA TO BE PRELIMINARILY SET AS BAND ACQUIRING DATA OF CONNECTION BAND
CONNECTION BAND DATA OF PVC OR SVC OF CBR, rt-VBR AND nrt-VBR ESTABLISHED CURRENT CONNECTION
DATA NECESSARY FOR CONNECTION ADMISSION CONTROL
261
BAND DATA PER CONNECTION DECLARED UPON SVC SETTING DEMAND
BUFFER CONTROL MEMORY DATA
260B
26B
BUFFER CONTROL MEMORY

FIG. 9

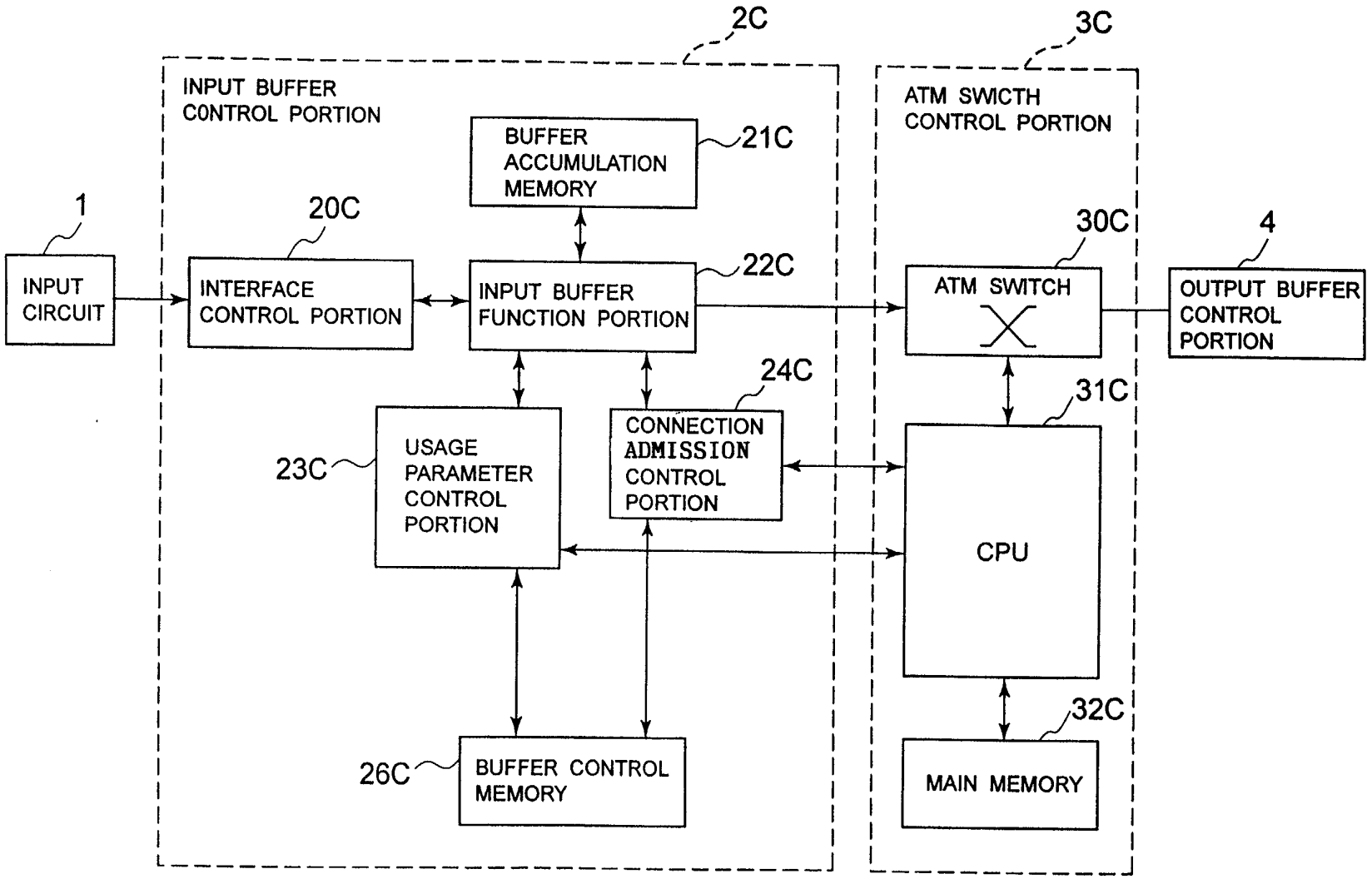
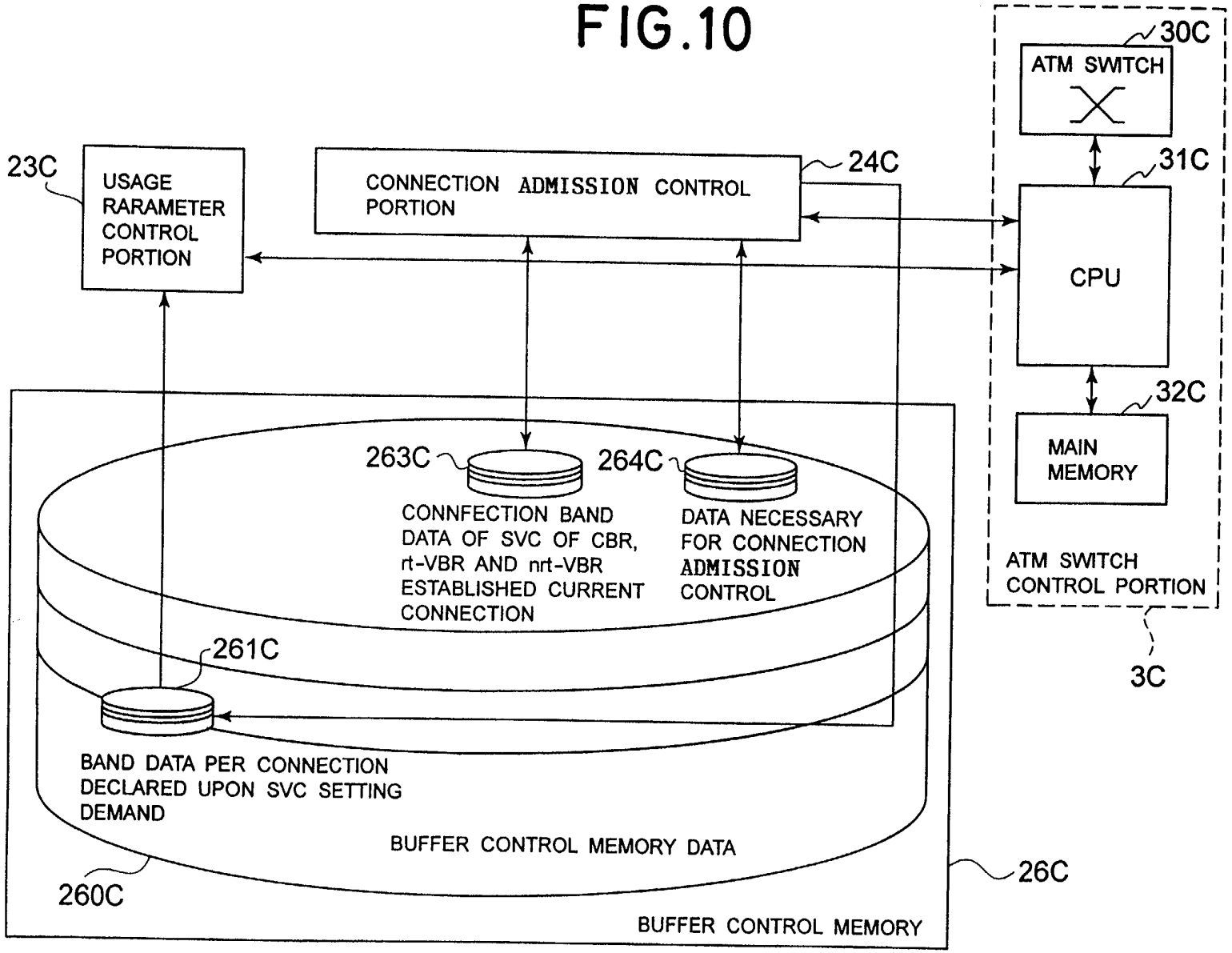

2C
3C
INPUT BUFFER CONTROL PORTION
ATM SWICTH CONTROL PORTION
BUFFER ACCUMULATION MEMORY
21C
1
20C
30C
4
INPUT CIRCUIT
INTERFACE CONTROL PORTION
INPUT BUFFER FUNCTION PORTION
22C
ATM SWITCH
OUTPUT BUFFER CONTROL PORTION
24C
31C
23C
USAGE PARAMETER CONTROL PORTION
CONNECTION ADMISSION CONTROL PORTION
CPU
32C
26C
BUFFER CONTROL MEMORY
MAIN MEMORY

FIG.10


30C
ATM SWITCH
31C
CPU
32C
MAIN MEMORY
ATM SWITCH CONTROL PORTION
3C
23C
USAGE RARAMETER CONTROL PORTION
CONNECTION ADMISSION CONTROL PORTION
24C
263C
264C
CONNFECTION BAND DATA OF SVC OF CBR, rt-VBR AND nrt-VBR ESTABLISHED CURRENT CONNECTION
DATA NECESSARY FOR CONNECTION ADMISSION CONTROL
261C
BAND DATA PER CONNECTION DECLARED UPON SVC SETTING DEMAND
BUFFER CONTROL MEMORY DATA
260C
26C
BUFFER CONTROL MEMORY